Mr. Gary Berling
Indiana Automotive Fasteners, Inc.
1300 West Anderson Boulevard
Greenfield, IN 46140

Re: 059-15200
Notice-only change to
MSOP 059-12739-00024

Dear Mr. Berling:

Indiana Automotive Fasteners, Inc. was issued a permit on February 5, 2001, for the operation of a stationary facility manufacturing nuts and bolts for the automotive industry. A letter requesting permit modifications for the addition of a BZ line electric furnace and tempering oven line was received on January 9, 2002. In addition, a change in the pressure drop range across the abrasive blast baghouse was requested. Pursuant to the provisions of 326 IAC 2-6.1-6(d)(13), a notice-only change can be used for a modification that "adds an emissions unit or units of the same type that are already permitted and that will comply with the same applicable requirements and permit terms and conditions as the existing emission unit or units, except if the modification would result in a potential to emit greater than the thresholds in 326 IAC 2-2 or 326 IAC 2-3". The change in the pressure drop range will be considered a notice-only change under 326 IAC 2-6.1-6(d)(2), which states that notice-only change can be used for "minor administrative changes such as ... a change in descriptive information concerning the source or emission unit or units". The additional emission units meet the above criteria, therefore the following notice-only changes are hereby approved (~~strikeout~~ to show deletions and **bold** to show additions):

1) The addition of a BZ line for the treatment of metal fasteners, and a third Tempering Oven line for the heat treatment of metal fasteners to Section A.2.

(v) One (1) natural gas CO_2 generator, identified as EU-24, and rated at 0.078 MMBtu/hr, and exhausting to stack V24; and

(w) One (1) electric tempering oven with a natural gas flame curtain and oil quench tank, identified as EU-25, rated at 0.01 MMBtu/hr, and exhausting to stack V25-B.

(x) One (1) BZ line for applying zinc and chrome coating to metal fasteners, including one (1) electric furnace, identified as EU-27, and a scrubber, identified as EU-26, with a maximum capacity of 3300 lb/hr, and exhausting to stacks V26 and V27;

(y) One (1) Tempering Oven line for heat treatment of metal fasteners, consisting of a CO2 generator (EU-28) using natural gas at the rate of 0.78 mmBTU, and an electric tempering oven with a natural gas flame curtain and oil quench tank (EU-29), with a maximum capacity of 7000 lb/hr, and exhausting to stacks V28, V29A, V29B, and V29C.

2) The Section D.1 is changed as follows:

(v) One (1) natural gas CO_2 generator, identified as EU-24, and rated at 0.078 MMBtu/hr, and exhausting to stack V24; and

(w) One (1) electric tempering oven with a natural gas flame curtain and oil quench tank, identified as EU-25, rated at 0.01 MMBtu/hr, and exhausting to stack V25-B.

(x) One (1) BZ line for applying zinc and chrome coating to metal fasteners, including one (1) electric furnace, identified as EU-27, and a scrubber, identified as EU-26, with a maximum capacity of 3300 lb/hr, and exhausting to stacks V26 and V27;

(y) One (1) Tempering Oven line for heat treatment of metal fasteners, consisting of a CO2 generator (EU-28) using natural gas at the rate of 0.78 mmBTU, and an electric tempering oven with a natural gas flame curtain and oil quench tank (EU-29), with a maximum capacity of 7000 lb/hr, and exhausting to stacks V28, V29A, V29B, and V29C.

2) The permit condition D.1.6 (Parametric Monitoring) is changed as follows:

D.1.6 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the abrasive blasting process, at least once per shift when the abrasive blasting process is in operation when venting to the atmosphere. Unless operated under conditions for which the Compliance Response Plan specified otherwise, the pressure drop across the baghouse shall be maintained within the range of ~~3.0~~ **1.0** and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this letter and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima Moulik, at (800) 451-6027, press 0 and ask for Madhurima Moulik or extension 3-0868, or dial (317) 233-0868.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
mm
cc: File - Hancock County
U.S. EPA, Region V
Hancock County Health Department
Air Compliance Section Inspector - D. J. Knotts
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley

Technical Support and Modeling - Michele Boner

NEW SOURCE CONSTRUCTION PERMIT
and MINOR SOURCE OPERATING PERMIT
OFFICE OF AIR QUALITY

Indiana Automotive Fasteners
1300 West Anderson Boulevard
Greenfield, Indiana 46140

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Operation Permit No.: MSOP 059-12739-00024	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

First Notice-Only Change No: 059-15200	Pages Modified: 5, 17, 19

(h) Two (2) natural gas fired dacrotizing ovens, identified as EU-9, and EU-9-1, constructed in 1996, each rated at 1.0 MMBtu/hr, and exhausting to stacks V9 and V9-1 respectively;

(i) One (1) electric zinc plating oven, identified as EU-10, constructed in 1996, and exhausting to stack V10;

(j) One (1) zinc plating/chromate treatment dip process, identified as EU-12, constructed in 1996, coating a maximum of 162,000 fasteners per hour, with packed fume scrubbers for control, and exhausting to stack v12;

(k) One (1) natural gas fired container wash oven, identified as EU-13, constructed in 1996, rated at 1.0 MMBtu/hr, and exhausting to stack V13;

(l) One (1) secondary metal treatment dip process with an electric oven, identified as EU-14, constructed in 1996, coating a maximum of 152,000 fasteners per hour, and exhausting to stacks V14 and V14-1;

(m) Two (2) natural gas fired boilers, identified as EU-15, and EU-15-1, constructed in 1996, each rated at 2.1 MMBtu/hr, and exhausting to stacks V15 and V15-1;

(n) One (1) natural gas fired boiler, identified as EU-16, rated at 1.2 MMBtu/hr, constructed in 1996, and exhausting to stack V16;

(o) One (1) dacrotizing metal treatment process, identified as EU-17, constructed in 1996, coating a maximum of 152,000 fasteners per hour;

(p) One (1) 7,000 gallon hydrochloric acid (HCL) storage tank, identified as EU-18, constructed in 1996, controlled by a scrubber, and exhausting to stack V18; and

(q) One (1) Plating treatment dip tank, identified as EU-19, constructed in 1996, coating a maximum of 162,000 fasteners per hour, and venting to stack V19.

(r) Two (2) shot blasting units, identified as EU-20a, and EU-20b, each using a maximum of 775 pounds per hour of steel shot, controlled by one (1) baghouse, and exhausting to stack V20;

(s) One (1) caustic wash and electric dry-off oven, identified as EU-21, and exhausting to stacks V21-A and V21-B;

(t) One (1) dip coating operation and electric dry-off oven, identified as EU-22, and exhausting to stacks V22-A and V22-B;

(u) One (1) top coating operation and electric dry-off oven, identified as EU-23, and exhausting to stacks V23-A and V23-B;

(v) One (1) natural gas CO_2 generator, identified as EU-24, and rated at 0.078 MMBtu/hr, and exhausting to stack V24; and

(w) One (1) electric tempering oven with a natural gas flame curtain and oil quench tank, identified as EU-25, rated at 0.01 MMBtu/hr, and exhausting to stack V25-B.

(x) One (1) BZ line for applying zinc and chrome coating to metal fasteners, including one (1) electric furnace, identified as EU-27, and a scrubber, identified as EU-26, with a maximum capacity of 3300 lb/hr, and exhausting to stacks V26 and V27;

(y) One (1) Tempering Oven line for heat treatment of metal fasteners, consisting of a CO2 generator (EU-28) using natural gas at the rate of 0.78 mmBTU, and an electric tempering oven with a natural gas flame curtain and oil quench tank (EU-29), with a maximum capacity of 7000 lb/hr, and exhausting to stacks V28, V29A, V29B, and V29C.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description

(a) Three (3) electric annealing ovens, identified as EU-1a, EU-1b, and EU-1c, constructed in 1996, and exhausting to stacks V1a and V1b;

(b) One (1) electric blueing oven, identified as EU-2, constructed in 1996, and exhausting to stacks V1c and V1d;

(c) Two (2) electric tempering ovens, identified as EU-3a and EU-3b, constructed in 1996, and exhausting to stacks V3a and V3b respectively;

(d) Two (2) electric quench oil ovens, identified as EU-4a and EU-4b, constructed in 1996, and exhausting to stacks V4a and V4b respectively;

(e) One (1) oil quench dip bath, identified as EU-4, constructed in 1996, quenching a maximum of 360,000 fasteners per hour, and exhausting to stacks V5 and V5a;

(f) Twenty-seven (27) head forming machines, identified as EU-6, constructed in 1996, each processing a maximum of 12,000 fasteners per hour, each controlled by a Smog Hog Electrostatic Precipitator, and all exhausting through ten (10) stacks (V6:3-7, 10-13, 15);

(g) Two (2) SBL shot blasters, identified as EU-8a and EU-8b, constructed in 1996, each using a maximum of 773 pounds per hour of steel shot, controlled by one (1) baghouse, and exhausting to stack V8;

(h) Two (2) natural gas fired dacrotizing ovens, identified as EU-9, and EU-9-1, constructed in 1996, each rated at 1.0 MMBtu/hr, and exhausting to stacks V9 and V9-1 respectively;

(i) One (1) electric zinc plating oven, identified as EU-10, constructed in 1996, and exhausting to stack V10;

(j) One (1) zinc plating/chromate treatment dip process, identified as EU-12, constructed in 1996, coating a maximum of 162,000 fasteners per hour, with packed fume scrubbers for control, and exhausting to stack v12;

(k) One (1) natural gas fired container wash oven, identified as EU-13, constructed in 1996, rated at 1.0 MMBtu/hr, and exhausting to stack V13;

(l) One (1) secondary metal treatment dip process with an electric oven, identified as EU-14, constructed in 1996, coating a maximum of 152,000 fasteners per hour, and exhausting to stacks V14 and V14-1;

(m) Two (2) natural gas fired boilers, identified as EU-15, and EU-15-1, constructed in 1996, each rated at 2.1 MMBtu/hr, and exhausting to stacks V15 and V15-1;

(n) One (1) natural gas fired boiler, identified as EU-16, rated at 1.2 MMBtu/hr, constructed in 1996, and exhausting to stack V16;

(o) One (1) dacrotizing metal treatment process, identified as EU-17, constructed in 1996, coating a maximum of 152,000 fasteners per hour;

(p) One (1) 7,000 gallon hydrochloric acid (HCL) storage tank, identified as EU-18, constructed in 1996, controlled by a scrubber, and exhausting to stack V18; and

(q) One (1) Plating treatment dip tank, identified as EU-19, constructed in 1996, coating a maximum of 162,000 fasteners per hour, and venting to stack V19.

(r) Two (2) shot blasting units, identified as EU-20a, and EU-20b, each using a maximum of 775 pounds per hour of steel shot, controlled by one (1) baghouse, and exhausting to stack V20;

(s) One (1) caustic wash and electric dry-off oven, identified as EU-21, and exhausting to stacks V21-A and V21-B;

(t) One (1) dip coating operation and electric dry-off oven, identified as EU-22, and exhausting to stacks V22-A and V22-B;

(u) One (1) top coating operation and electric dry-off oven, identified as EU-23, and exhausting to stacks V23-A and V23-B;

(v) One (1) natural gas CO_2 generator, identified as EU-24, and rated at 0.078 MMBtu/hr, and exhausting to stack V24; and

(w) One (1) electric tempering oven with a natural gas flame curtain and oil quench tank, identified as EU-25, rated at 0.01 MMBtu/hr, and exhausting to stack V25-B.

(x) One (1) BZ line for applying zinc and chrome coating to metal fasteners, including one (1) electric furnace, identified as EU-27, and a scrubber, identified as EU-26, with a maximum capacity of 3300 lb/hr, and exhausting to stacks V26 and V27;

(y) One (1) Tempering Oven line for heat treatment of metal fasteners, consisting of a CO2 generator (EU-28) using natural gas at the rate of 0.78 mmBTU, and an electric tempering oven with a natural gas flame curtain and oil quench tank (EU-29), with a maximum capacity of 7000 lb/hr, and exhausting to stacks V28, V29A, V29B, and V29C.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.5 Visible Emissions Notations

(a) Visible emissions notations of the abrasive blasting and the headforming machines stack exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, “normal” means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

D.1.6 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouse used in conjunction with the abrasive blasting process, at least once per shift when the abrasive blasting process is in operation when venting to the atmosphere. Unless operated under conditions for which the Compliance Response Plan specified otherwise, the pressure drop across the baghouse shall be maintained within the range of 1.0 and 6.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge Specifications, of this permit, shall be subject to approval by IDEM, OAM, and shall be calibrated at least once every six (6) months.

D.1.7 Baghouse Inspections

An inspection shall be performed each calender quarter of all bags controlling the abrasive blasting process when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced.